

WHAT IS CLAIMED IS:

1. A display unit comprising:
  - a display device having a display screen;
  - a secondary battery disposed to a rear side of said display device; and
  - a heat shielding layer interposed between said display device and the secondary battery, said heat shielding layer having a thermal conductivity of at most 5W/mK; wherein said display device and the secondary battery are integrally assembled to form a module structure.
2. A display unit comprising:
  - a display device having a display screen;
  - a secondary battery disposed to a rear side of said display device; and
  - a heat shielding layer interposed between said display device and the secondary battery, said heat shielding layer having a thermal conductivity of at most 5W/mK; and
  - a heat radiating layer or a cooling layer disposed to said secondary battery at a side opposing to a side of said display device; wherein said display device and the secondary battery are integrally assembled to form a module structure.
3. A display unit comprising:
  - a display device having a display screen;
  - a secondary battery disposed to a rear side of said display device;
  - a heat shielding layer interposed between said display device and the secondary battery, said heat shielding layer having a thermal conductivity of at most 5W/mK; and

a heat radiating layer or a cooling layer laminated with said heat shielding layer to form a laminar shape; wherein said display device and the secondary battery are integrally assembled to form a module structure.

4. A display unit comprising:

a display device having a display screen;

a secondary battery disposed to a rear side of said display device;

a heat shielding layer interposed between said display device and the secondary battery, said heat shielding layer having a thermal conductivity of at most 5W/mK; and

a heat radiating layer or a cooling layer laminated with said heat shielding layer to form a laminar shape; and

another heat radiating layer or another cooling layer provided to said secondary battery at a side opposing to a side of said display device; wherein said display device and the secondary battery are integrally assembled to form a module structure.

5. A display unit comprising:

a display device having a display screen; and

a secondary battery disposed to a rear side of said display device; wherein said display device and said secondary battery are integrally adhered by means of a double coated adhesive tape as a heat shielding layer having a thermal conductivity of at most 5W/mK, thereby to form a module structure.

6. The display unit according to any one of claims 1 to 5, wherein said secondary battery is constituted by at least one of thin lithium ion secondary battery

and thin nickel metal hydride secondary battery.

7. The display unit according to any one of claims 1 to 5, wherein said display device is a liquid crystal cell having a liquid crystal panel display.

8. The display unit according to any one of claims 1 to 6, wherein said secondary battery is constituted by at least one of thin lithium ion secondary battery and thin nickel metal hydride secondary battery each having a prismatic shape and thickness of at most 10mm, preferably a thickness of 0.5-4mm.

9. The display unit according to any one of claims 1 to 5, wherein said heat shielding layer has a thermal conductivity of 1W/mK or less.

10. A mobile apparatus comprising: a display unit as defined in any one of claims 1 to 9; and a portable unit to which said display unit is integrally assembled.

11. The mobile apparatus according to claim 10, wherein said portable unit comprises a unit body and a cover body connected to said unit body through a hinge so that said cover body is openable, and said display device is mounted on said cover body while said secondary battery is a rod-shaped secondary battery detachably incorporated in said hinge.

12. The mobile apparatus according to claim 10 or 11, wherein said portable unit has a function of at least one of a thin notebook-sized personal computer, a portable telephone, a mobile information terminal device, a portable television image receiver, a portable navigation device, an electronic pocket book and an electronic

dictionary.